

## **Request for Quote (RFQ) for Modified Analysis**

Date: December 30, 2014

**Subject:** Modification Reference Number: 2093.5  
Title: PEST Analysis for Nine SOW Target Analytes Only at Lower CRQLs  
Sample Matrix: Water  
Method Affected: PEST  
Method Source: SOM01.2

### **Purpose:**

The Contractor Laboratory is requested to perform the following modified analyses under the Organic Statement of Work (SOW) SOM01.2, based on the additional specifications listed below. Unless specifically modified by this modification, all analyses, Quality Control (QC), and reporting requirements specified in SOM01.2 remain unchanged and in full force and effect. The number of samples requested in this modification is not guaranteed.

*Please note that accepting a modified analysis request is voluntary, and that the Laboratory is not required to accept the modified analysis. There will be no adverse effect to the Laboratory for not accepting the modified analysis request. However, once the Laboratory accepts the request for modified analysis, it shall perform the analysis in accordance with this modification and as specified in SOW SOM01.2.*

The Laboratory is requested to review the modification described herein, determine whether or not it shall accept the requested modified analyses, and complete the attached response form. The Laboratory shall provide comments in response to the required changes in the designated area, in order to ensure that the modified analysis can be completed in accordance with the specifications described herein.

### Modification to the SOW Specifications:

SOW SOM01.2 requires contract Laboratories to analyze samples for Pesticide (PEST) organic analytes through the protocol outlined in Exhibit D, Analytical Method for the Analysis of Pesticides. Specific PEST target analytes and their associated Contract Required Quantitation Limits (CRQLs) are listed in Exhibit C, Section 3.0, of SOW SOM01.2.

The proposed modification requires the Laboratory to analyze aqueous samples for **ONLY** the SOW PEST target analytes listed in Table 1 at the specified CRQLs.

The Laboratory shall perform MDL studies for all target analytes in Table 1 and make the results available upon EPA's request.

**Table 1 -PEST Target Analytes and CRQLs**

| Analyte            | CAS Number | CRQL (µg/L) |
|--------------------|------------|-------------|
| alpha-BHC          | 319-84-6   | 0.0050      |
| beta-BHC           | 319-85-7   | 0.020       |
| Heptachlor         | 76-44-8    | 0.0080      |
| Aldrin             | 309-00-2   | 0.0050      |
| Heptachlor epoxide | 1024-57-3  | 0.0050      |
| Dieldrin           | 60-57-1    | 0.010       |
| alpha-Chlordane    | 5103-71-9  | 0.010       |
| gamma-Chlordane    | 5103-74-2  | 0.010       |
| Toxaphene          | 8001-35-2  | 0.500       |

To achieve the requested CRQLs for the analytes in Table 1, the Laboratory shall reduce the final extract volume to 1.0 mL from 10 mL specified in the SOW. The lowest calibration standard shall be analyzed at the same concentrations as specified in the SOW for the analytes in Table 1. The Laboratory shall use either the same ICAL and CCV standards as specified in the SOW or separate standards containing only the target analytes in Table 1 and the SOW specified surrogates. A 5-point ICAL and CCVs shall be performed at the same concentration levels as specified in the SOW. The same ICAL and CCV frequency and sequence requirements specified in the SOW shall remain in effect.

RESC and PEM shall be analyzed at the same frequency and sequence as specified in the SOW. If only all the target analytes in Table 1 are included in the ICAL standards, technical acceptance criteria for % Breakdown in PEM shall not be applied. ICAL %RSD and CCV %D technical acceptance criteria for the analytes in Table 1 shall remain the same as specified in the SOW.

Method blanks shall be prepared and analyzed at the same frequency as specified in the SOW. The concentrations of any target analytes in Table 1 in the method blanks shall not exceed the CRQLs listed in Table 1.

Laboratory Control Samples (LCS) shall be prepared and analyzed at the same frequency and sequence as specified in the SOW. The LCS spiking solution shall include all analytes in Table 1 except Toxaphene at concentrations of 1xCRQLs in Table 1. A separate LCS containing Toxaphene only shall be analyzed at spiking concentration of 1xCRQL in Table 1. The %R technical acceptance criteria for the LCS spiking analytes shall be in the inclusive range of 50-150%.

The Laboratory shall prepare and analyze Matrix Spike/Matrix Spike Duplicate (MS/MSD) samples at the same frequency and sequence as specified in the SOW. The Laboratory shall add the SOW specified MS/MSD spiking solution to the samples at the spiking analyte concentrations of 10xCRQLs listed in Table 1. The %R and RPD technical acceptance criteria for the spiking analytes in MS/MSD shall remain as specified in the SOW. If only all the target analytes in Table 1 are included in the ICAL standards, the technical acceptance criteria for the spiking analytes in the MS/MSD that are in Table 1 shall be applied.

Surrogate concentrations added to the samples, blanks, LCS and MS/MSD samples shall be adjusted to 10x less than that specified in the SOW. The corrective actions for surrogate %R failure specified in the SOW shall remain in effect.

All necessary sample cleanups shall be performed. All other technical acceptance criteria for initial calibration, continuation calibration verifications, blanks, samples, LCS and MS/MSD remain according to SOW specifications.

### **Special Reporting Requirements:**

***The Laboratory shall report the CRQLs listed in Table 1, adjusted according to the equation listed in Exhibit D, even if the level of the corresponding target analyte in the low-point calibration standard is below the CRQLs listed in Table 1.***

The Laboratory shall modify all applicable hardcopy forms to include the target analytes in Table 1. This includes Forms 1 and 10 as appropriate. If separate ICAL and CCV standards are analyzed containing only the target analytes in Table 1 and the surrogates, Forms 6 and 7 shall be updated accordingly. Forms 3 for LCS and MS/MSD shall be modified as well to include all applicable spiking analytes, spike amount added, %R and QC limits information as required in the SOW. The EDD shall include the same information as reported in the hardcopy.

### **Reporting Requirements:**

Hardcopy and electronic data reporting are required as specified per SOW SOM01.2. All hardcopy and electronic data shall be adjusted to incorporate modified specifications. This includes attaching a copy of the requirements for modified analysis to the SDG Narrative. If specific problems occur with incorporation of the modified analysis into the hardcopy and/or electronic deliverable, the Laboratory shall contact the DASS Manager within the Sample Management Office (SMO) at (703) 818-4233 or via email at CCSSUPPORT@fedcsc.com for resolution.

All samples analyzed for the same analytical method within an SDG must be analyzed under the same method requirements. The Laboratory shall not include data for the same analytical method with different requirements in the same SDG.

**The Laboratory shall include the Modification Reference Number 2093.5 on each hardcopy data form under the “Mod. Ref. No.” header appearing on each form as well as the data element “ServicesID” under the “SamplePlusMethod” node of the EDD. This should be done for the analyses affected by the modified analysis only. The “ServicesID” field should remain blank for all other analyses reported in the SDG. The Laboratory shall also document the Modification Reference Number and Solicitation Number on the SDG Coversheet.**

---

**Clarifications/Revisions to the RFQ for Modified Analysis:**

---

**Laboratory Name:**

**Laboratory Comments:**